Volkswagen Beetle Convertible



1979 Volkswagen Owners Man 2

Before Driving

Operating Controls

Climate Controls

Do-it-yourself Service

Emission Control

Technical Data

Gas Station Information

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- Your car may have all or some of the components described in this manual. Therefore you may find explanations of equipment not installed in your car.
- Check with your Volkswagen dealer on available options or accessories.
- Text, illustrations and specifications in this manual are based on the information available at the time of printing.
- It has always been Volkswagen's policy to continuously make technical improvements at any time during the model year.

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BEFORE DRIVING

Your new Volkswagen

is the result of many years of technical research and endurance testing. It is a sophisticated product of engineering, a car designed for maximum efficiency and driving pleasure, a car designed with your safety in mind.

Your Owner's Manual

contains a host of useful information. Read it before you drive your new car. Acquaint yourself with your car's features and know how to operate it more safely. The more you know about your Volkswagen, the more you will enjoy driving it.

FOR YOUR OWN PROTECTION and longer service life of your car, we ask you to heed our instructions and cautions, Ignoring them could result in extensive mechanical failure or even physical injury.

Your Warranty and Maintenance booklet

explains how you can keep your Volkswagen in top driving condition by having it serviced regularly. Always have the Warranty & Maintenance booklet with you when you take your car to a VW dealer for service. Your Service Adviser will record each service... and that's a good record to have.

The Dwiner's Manual and the Warranty & Maintenance record should be left in the vehicle when sold, to make all operating safety and maintenance service information available to the next owner.

Operating your car outside the U.S.A. or Canada

Government regulations in the United States and Cenada require that automobiles meet specific emission regulations and safety standards. Therefore cars built for the U.S. and Canada differ from vehicles sold in other countries. If you plan to take your car outside the continental limits of the United States or Canada, there is the possibility that:

- gasoline may have a considerably lower octane rating. Excessive engine "knock" and serious engine damage could result;
- service may be inadequate due to lack of proper service facilities, tools or testing equipment;
- replacement parts may not be readily available;
- unleaded fuels for cars with catalytic converter may not be available.

Volkswagen cannot be responsible for the mechanical damage that could result because of inadequate fuel, service or parts availability. Certain Volkswagen models are available for delivery in Europe under our tourist delivery and return shipment program.

For details consult a VW dealer or write to:

in U.S.A. Volkswagen of America, Inc. Tourist Delivery 818 Sylvan Avenue Englewood Cliffs, N.J. 07632

in Canada Volkswagen Canada Ltd.
Tourist Delivery
1920 Eglinton Avenue East
Scarborough,
Ontario M1L 2M2

If you bought your car abroad and want to bring it back home, be sure to find out about shipping and forwarding requirements, as well as current import and customs regulations.

OPERATE YOUR CAR SAFELY

Before going on a trip . . .

- A lot has gone into the manufacture of your Volkswagen, including advanced engineering techniques, rigid quelify control and demanding inspections. These engineering and safety features will be enhanced by you, the safe driver,
- who knows the car and all controls
- who maintains the car properly
- who uses driving skills wisely.

- 1 Be sure tires are inflated correctly. Look for bruises and tire wear.
- 2 See that wheel bolts are not loose or missing.
- 3 Check engine oil level, add if necessary. Make it a habit to have engine oil checked with every second fuel filling.
- 4 Check V-belt to assure proper engine cooling.
- 5 Be sure you have a well charged battery. Each cell should be filled to level with distilled water.
- 6 Check brake fluid level, if too low, have brake system checked.
- 7 Replenish windshield washer fluid.
- 8 Replace worm or pracked wiper blades.

- 9 See that all windows are clear and unobstructed.
- 10 Check whether headlight and tail light lenses are clean.
- 11 Be sure all lights are working and headlights are aimed correctly.
- 12 Check under car for leaks.

You'll find helpful hints on how to perform most of these checks in this manual. If in doubt, have these checks performed by your dealer or any other qualified mechanic,

Turn the engine off before you attempt any checks or repairs on the car.

In the driver's seat . . .

- 1 Depress plate in the center of the steering wheel to check whether horn is working.
- 2 Position seat for easy reach of controls.
- 3 Adjust Inside and outside rear view mirrors.
- 4 Use safety belts.
- 5 Check operation of foot and parking brakes.
- 6 Check all warning and indicator lights when starting the engine.
- 7 DO NOT leave car idling unattended.
- 8 Lock doors from inside, especially with children in the car.

On the highway . . .

- 1 Always drive defensively. Expect the unexpected.
- 2 Use signals to indicate turns and lane changes,
- 3 Turn on headlights at dusk.
- 4 Always keep a safe distance from the car in front of you, depending on traffic, road and weather conditions.
- 5 Reduce speed during night hours and inclement weather.
- 6 Observe speed limits and obey highway signs.
- 7 When tired, get off the highway, stop and take a rest. Turn the engine off, DO NOT sit in the car with the engine idling. See warning on Engine Exhaust.

- 8 When stopped or parked, always set the parking brake.
- 9 When stopped or stalled for respairs, move the car well off the road. Set the emergency flasher and use road flares or other warning devices to warn other motorists.

Have the engine oil and the V belt tension checked regularly, even inbetween the recommended maintenance intervals.

Vehicle Identification

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CAME LA HONE (196.46)	(PRETT) KINK!
THE WHICH COMPONE IS AN APPROXIMATE AND APPROX	
THE ASSESSMENT OF	Letterin rotter

B32-153



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The chassis number

is located on the instrument panel on the driver's side so that it is visible from the outside through the windshield.



The engine number

is stamped on the alternator support flange.

Safety Compliance Sticker

This sticker is your assurance that your new Volkswagen complies with all applicable Federal Motor Vehicle Sefety Standards which were in effect at the time the vehicle was manufactured. You can find this sticker on the left doorjamb.

The sticker also shows the manufacturer's name, the month and year of production and the chassis number of your car (perforation) as well as the Gross Vehicle Weight Rating and the Gross Axle Weight Rating.

OPERATING CONTROLS

Keys

Your Volkswagen comes with a set of two keys.





The key with the elongated head (A) is for the doors and the ignition/steering lock.

The key with the round head (B) is for the glove compartment door.

DO NOT remove key from steering lock while you are driving or as the car is rolling to a stop. The steering column is locked when you remove the key, and you will not be able to steer the car.

For your protection against car theft:

 Record the key numbers and keep in a safe place, such as your wallet.
 NOT IN THE CAR.

If you should lose a key, provide your VW dealer with the key number to obtain a duplicate key.

 Do not leave your car unattended with the key in the ignition lock. Take the key and lock the doors.

The buzzer will sound when you open the driver's door and the key is still in the ignition lock. This is your reminder to remove the key and lock the doors.





Windows

We recommend you do not put decais or other signs on the windows of your car that may interfere with the driver's vision.

- 1 Window winder
- 2 Knob for vent window

To open the vent window, turn knob into driving direction, move poking lever forward and push out window. To make closing the vent window assier, we suggest you first push on the forward part of the vent window so that it fits soughy against the weatherstripping. Then gresp the knob, and move the lever back oil ck it in place.

Doors

- 3 Locking knob
- 4 Inside door handle

To lock and unlock doors from the outside

- Lock and unlock doors with the key by turning the key to the left or right
- Doors can also be locked without a key. First depress locking knob (3), then squeeze trigger in outer door handle as you close door

To lock, unlock and open doors from the inside

- Lock and unlock by depressing or raising locking knob
- Open door by pulling inside door handle (4)

Always drive with locked doors to prevent inadvertent opening of a door from the inside, especially with small children in the car.





Seatback adjustment

 Turn wheel at side of seat cushion, with your body weight taken off the seatback

Front seat passengers should not ride in a moving car with the seatback reclined Safety belts only offer protection when the seatback is in an upright driving position.



Seats

We recommend you do not adjust the driver's seat while driving. Your seat may suddenly jerk forward or backward, which could result in loss of control.

Seat adjustment (forward or backward)

- Pull handle in front of seat
- Full hand e in tront of seat
 Side seat to desired position.
- Let handle go, move seat sightly back and forth to make sure it is secure a engaged



Seatback release

- · Pull lever on side of seatback UP.
- Tilt seatback forward and out of the

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Head restraints (adjustable)

Head restraints are designed to help reduce injuries, For maximum protection never drive the vehicle without head restraints

- To adjust height, pull restraint up or push down (a)
 - To offer maximum support and protection, the upper edge of the restraint should be slightly higher than the level of your eyes.
- To tilt restraint forward or back, grasp it firmly with both hands and move to the desired position (b) I you can touch the restraint by tilting your head slightly to the rear trestraint is properly adjusted.



Safety belts

For your and your passenger's protection, wear safety belts at all times while the car is in motion.

Belt warning system

An audio-visual warning system is inter-connacted with the driver's safety belt. Every time the grition is turned on, the FASTEN BELTS warning gift on the dashboard will come on for about 6 seconds as a reminder to buckle up if the driver does not fasten the safety belt, the buzzer will also come on for the duration of this six second period. With the driver's door closed, the buzzer all go off as soon as the driver has buckled by

Lap/shoulder belts for front seats

A shoulder belt should not be worn by a person less than 4' 7" or 1.40 m In height because it would not be in its most protective position, and therefore may increase the possibility of injury in a collision.

The safety belts should not be used to hold a child's seat as the diagonal belt will not provide the needed protection

To fasten belt

- To fasten, grasp belt tongue and pull belt in continuous slow motion across your chest and lap
- Insert belt tongue into buckle on nboard side of seat Push down untiit is securely locked with an audible click

Puil shoulder section up to make sure that the belt fits snugly across the h.ps.

To unfasten beit

- To unfasten belt push in release marked PRESS on buckle Belt will sprip a 'or ckle
- To have pay a ulder the allow belt to have up a train a vou ourde that ingue or street our on the street of the st

Important reminders

- Belts should fit snugly across lap and chest. Make sure any slack is wound on the retractor.
- For maximum effectiveness, the lap belt portion should be worn low across the pelvis.
- Do not strap in more than one person with each beit.
- Belts should not be worn twisted.
- Make sure the belt of the unoccupled pessenger seat is fully wound up on its retractor so that the belt tongue is in its stowed position on the doorpost. This reduces the possibility of its becoming a striking object in case of a sudden stop.
- Do not drive with the rear seat cushion removed and the backrest folded down in the folded-down position the backrest may interfere with the operation of the front safety betts.

inertia real retractor

The one-pleae ap/shoulder belt with nertia real locking mechanism adjusts automatically to your size and movements as long as the pull on the belt is slow. Rapid deceleration during hard braking or a collision locks the belt. The belt will also lock when you drive up or down a steep hill or tin a sharp durie.

Threlease a locked belt, lean back to the the body pressure off the belt



Lap belts for rear seats

The rear seats are aquipped with lab belts with an automatic retractor if you have puled out too much of the best the retracting mechanism will take up the slack until the belt fits snugly across your ap and will stay locked in this position

To fasten belt

 To fasten ap belt grasp belt tongue on outboard side of seat pull across lap and insert in inboard buckle

To unfasten belt

- To unfesten belt, push in release marked PRESS in the buckle
- To store be t allow belt to wind up as you guide belt tongue to retractor

Belt tongue and buckle should always be kept on top of seat for ready use

Important reminders

- For maximum effectiveness, the lap belt portion should be worn low across the polyic crest.
- Do not strap in more than one person in each belt.

Belt care

- Beits that have been subjected to excess ve stretch forces in an accident should be replaced if in doubt see your dealer
- If beits show demage to webbing bindings, buckes or retractors they should be replaced
- If belts do not work properly, see your VW dealer to have them repaired or replaced
- Do not modify or disassemble the safety belts in your car
- Keep beits clean, if they need cleaning, use a mild soep solution but do not remove beits from car DO NOT use other cleaning agents as they will weaken the webbing
- NEVER bleach or dye safety belts
- DO NOT allow safety balts to retract until they are completely dry

Instrument panel



1 - Vents for heating defrosting and fresh air ventilation	on	11 - Plate over radio aperture	
(there are 2)	28. 30	12 - Glove compartment, lockable	20
2 - Vents for heating defrosting and fresh air ventilation	on	13 - Loudspeaker grille	
for the front side windows		14 - Turn's gnat and head ight dimmer switch lever	18
(there is one on each side) ,	28.30	15 Windshield wiper/washer lever	18
3 - Speedometer dial with fue, gauge and warning lights		16 - Horn	
4 - Vents for fresh air ventilation (2)	30	17 - Ignition/steering lock	14
5 - Headlight switch	16	18 - Knob for fresh air fan	30
6 - Instrument illumination	16	19 - Fresh air control knobs (2)	30
7 - Safety belt and brake warning light .	O .	at light to if um hate the heater levers between	
8 - Control switch for Auxiliary Heater		ti ront seats	28
(optiona equipment)	1	2 A .tray	. 20
9 - Switch for rear window defoggr	7	2 (3)	
10 - Emergency flasher switch	,	2 Come a roote	20

13

Ignition/steering lock

The steering is equipped with an entitheft ignition lock

Important reminders before starting

Never start or let the engine run in an enclosed unventilated area. Exhaust fumes from the engine contain carbon monoxide which is a coloriess and odorless gas. Carbon monoxide can be fatal if inhaled.

For your protection, fasten safety belts

Move gearshift lever to Neutral before turning the gnit on key

NEVER LEAVE ENGINE IDLING UNATTENDED.

If warning lights should come on to indicate Improper operation, they would go unheeded This could result in severe damage to the car.

Switch positions

- 1 Ignit on off/steening locked insert the key if it a difficult to turn the key, gently move the steering whee until the key turns freely
- 2 ignition on/steering free (for towing)
- 3 Starter engages.
 The key returns to position, as sore as the key sire eased.



Do not operate starter continuously for more than 10 to 20 seconds if engine fels to start, turn key back to Pos 1 and restart. Allow about 1 minute between each starting attempt. See also "Starting hints".

Remove key and lock steering wheel

Turn key back to Pos 1 and pull out.
 Turn steering wheel until it locks

Only remove key after car has come to a standath and parking brake is engaged NEVER remove key while driving or as car is rolling to a stop. Since steering wheel locks, you could lose control of the car.

Warning lights

Warning Ights for alternator, oil preasure, exhaust mer restricted ton (where applic to an mark young will light up with the prior to ad on The ights out you to be enquine a strict the mark who mought out to the enquine a strict the mark who mough oil growth to the present of the present of

Buzzer

If you leave the key in the gniton steering ock the buzzer will sound when the driver's door is opened. This is you reminder to remove the key.

Instruments



Speedometer dial

The speedometer indicates the road speed the adometer records the stance driven The last dig tim red and tes 1/10 of a mile (k) ometer in hada.

Fuel gauge

The fuel gauge is located in the speed ometer dial. When the ignition is turned on the needle will indicate the fuel level with n a few seconds.

When the needle is on "R", there is a reserve of about 1 gallon of flue left in your tank... time to refuel at the next cas station

The following Indicator or warning lights are in the speedometer dia:

Oil pressure warning light

I ghts up when the ignition is turned on it should go out after the engine is started

Stop at once...

If the oil pressure warning light comes on while you are driving

Brake warning light also comes on due to design of electrical system. In case of brake failure, only brake warning light will come on.)

Turn the engine off!

Check the oil level to make sure you have enough oil if the cause is somewhere else, do not drive on but contact your nearest VW dealer.

An occasional flickering of the oil pressure warning light when the engine is iding after a long high-speed trip is no cause for concern if the light go s lut upon acceleration.

Note:

The oil pressure warning light is not an indicator for low engine oil level. To check the oil level, always use dipstick (see page 52).

Alternator warning light



lights up when the ignition is turned on its should go out after the engine is started

Stop at once...

If the alternator warning light comes on while you are driving

Turn the engine off!

Check first whether the V-belt is slipping or broken. The V-belt not only drives the alternator but also the fan that cools the engine

Tighten or replace the belt See "Do-ityourself Service"

Whenever stalled or stopped for repair, move the car well off the road. Turn on the amergency flasher and mark the car with road flares or other warning devices Before working on any part in the engine off and walt until the engine has cooled down sufficiently.

Exhaus ja recircu on la

EGR

(fish as siminder - in Carada models not be not).

The EGR indicator lamp will light up every 15,000 miles or 24,000 kilometers. This is your reminder to take your car to your VM dealer for the scheduled emission control and maintenance services.

Turn signals



High beam

see "Turn signal headlight dimmer switch



Clock

f set the electric clock, depress the k ob in the dial center and turn.

Brake warning light

(10) BRAKE

ights up when the ightion is turned on. It should go out after the engine is started and the parking brake is fully released. This is your assurance that the brake warning light functions properly.

If the brake warning light does not light up when turning the ignition on, or if it does not go out after starting the engine and releasing the parking brake, there may be a maifunction in the electrical system if this is the case contact your VM clear.

If the brake warning light lights up when you apply the brakes while driving, one of the two independently working brake circuits may have failed. First make sure the parking brake is fully released.

Note: If one brake circuit may have failed, the other will still operate, but a longer distance and greater pedal pressure are required to bring the car to a helt.

Pull off the road and stop



Try out the effectiveness of the brakes by carefully starting and stopping on the road shoulder

If you judge that the brakes operate safety enough to take you to the nearest dealer, proceed cautiously and at low speed. If you do not feel it safe to continue, have your car towed to the nearest dealer for repar.



Headlight switch

40

Depress the rocker switch to the first stop to turn on the parking, side marker license piate, tail and instrument lights

Depress the switch to the second stop to turn on the headights (ignition on)

When the high beams are on, the blue indicator light will light up (see "Turn signa/headlight dimmer switch lever")

To conserve battery power the head ights will go out automatically when the gnit on is turned off or when the engine is started.

Instrument illumination

Turn the thumb whee next to the rocker witch to adjust the brightness of the trument lights and the heater lever out light.

Rear window defogger

The rear window defogger will help to keep the inside of the rear window clear of condensation and frost in the winter

To turn on rear window detogger:

- Turn on ignition first
- Depress lower half (symbol) of rocker switch. The control light in the switch will light up to remind you that the defogger is switched on.

To give you full battery power while starting the engine, the operating rear window defoager will turn off automatically at this moment

After the rear window has been cleared switch off the rear window defogger to avoid an unnecessary drain on the battery

To turn off rear window defogger:

 Depress upper half (blank) of rocker switch

Be careful when removing objects from the luggage compartment behind the rear seat. Sharp edges may damage the defogger wires in the rear window. Larger Items may also re i.s. vision to the rear



Emergency flasher switch

If your car is disabled or parked under emergency conditions, make all four turn signals flash simultaneously.

To turn on emergency flasher:

Depress lower half (HAZARD) of rocker switch. The warning light in the switch flashes too

To turn off emergency flasher:

 Depress upper half (blank) of rocker switch

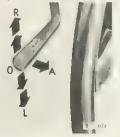
When the headlight switch is operated. the emergency flasher switch glows with reduced brightness for easy recognition in the dark. When the emergency flasher ist not in operation, the prightness of the ight can be regulated together with the instrument panel lights (see instrument illumination). The light has ful brightness when the emergency flasher system is in operation

Move the car well off the road when statled or stopped for recairs.

Do not park or operate the car in areas where the hot exhaust system may a rie in contact with dry grass, brush.

fi spill or other flammable material. 17

Turn signal/headlight dimmer switch lever and windshield wiper/washer lever



Turn signals

Lever in position O Lever up (R) Lever down (L)

- OFF

- right turn signal - eft turn signal

The green turn signs indicator light in the speedometer dial comes on when you operate the lever

The turn a one's are cancelled automat cally when you have completed a turn (ike driving around a corner), and the steering wheel returns to the straightahead position

If a turn signa fails the contro light flashes at about twice the a rm frequency Have your VW Das r her! 18 and repair it for you

There are two levers just behind the steering wheel.

The lever on the left side is for the turn signa/headlight dimmer switch

The lever on the right side is for the windshield wiper/washer system

The turn signals and the windshield wipers only work with the ignition on

Lane changer

To indicate your intention when changing lanes on expressways lift or depress the ever up to the point of resistance. The lever will return to the OFF pas tion when re eased

Headlight dimmer

To switch to either high or low beam, pull the ever toward the steering wheel (A) When high beams are on, the blue indicator light will light up.

Hear

'e. o lorn) au be and a 1951



Windshield wipers WIPE

The windshield wipers can be operated at the following speeds

Lever n position O - OFF Lever up to position 1 - low speed Lever up to position 2 - high speed Lever down to position 4 - Intermittent wiping. The wipers sweep the windshield approximately every 10 seconds

Lifting the ever slightly without engaging the first stop allows the wipers to operate for as long as the lever is held in this pos on The ever will return to the OFF pos on when released

To give you full battery power while starting the engine, operating windshield wipers will stop automatically at this moment

Always make sure that the wiper blades are in good condition Poor blades reduce visibility and might create hazardous driving conditions.

Be sure that the biades are not frozen to the windshield in winter

Avoid running the wiper blades over a dry windshied . you may scratch the glass Spray washer fluid on it first



To spray washer fluid on the windshield. oul the ever toward the steering wheel (position 3) You can operate the washer from any selected wiping position

Automatic wash/wipe device

If you put the ever to position 3 from the OFF position washer fluid is sprayed on the windshield and the wipers work When lever is released, washer stops mmediately, but wipers will continue to run several times to dry the windshield



Interior light

The light and light switch are on the mirror bracket

The switch positions are

Left - ON (with doors open)

Center - OFF

Bight - ON (with doors closed)

Assist handle and straps. coat hooks On the ror' links a just habourd the head

for the iner the front s pass 1 90. 31 are also assist a..., a for he par well Jassanders BIT UE TOOK I er and fift n o

Hang clothes in such a way that they do not impair the driver's vision

Sun visors

You can lift the visors out of the center mounting and move them toward the door windows to prevent giare from the sdes

A vanity mirror is on the back of the sun visor on the passenger's side

Rear view mirrors

Adjust the outside and inside mirrors before driving off it is important for safe driving that you have good vision to the rear

Outside mirror

The outside mirror is hinged and folds flat against the car when struck from either direction

Inside day-night mirror

You can adjust the day-night mirror from clear daylight visibility to non-glare visibilly at hight by moving the lever upward or downward at the bottom of the mirror



Ashtrays

Front ashtray (picture)

Pull to open the ashtray in the instrument panel. To remove the tray, depress the top cover, Now pull out the tray

To put it back in, fold the top cover down, insert the tray in the guide rails and push in with the heel of your hand.

Rear ashtray

To remove the ashtray in the rear passenger compartment, press down on the tray and pull out. To reinstal just push the ashtray back in again.

Cigarette lighter

Push knob in When lighter is ready for use, it will spring pack

The scoket of the agarette aghter may be used for 12 voit appliances with maximum consumption of up to 200 watts right hand spot light, small vacuum dinanni





Glove compartment

To open - Squeeze the two lock

.atches together
To close - Press door upward until

To ock or unlock - Turn key to right or left

The release for the front hood is inside the grade or inther. A nocked glove compliment provide a nauthorized accellent or the large or partment and than a few when



Luggage compartments

Your VW has two luggage compartments one under the front hood and the other behind the rear seat

Since mproper weight distribution can affect oar handling, take advantage of the two luggage compartments coad the front uggage compartment first, using the heaviest pieces of luggage, if possible

Front luggage compartment

To unlock the front hood, pull the release lever inside the glove compartment

Now open the front hood by depressing the release button in the hood handle

To lock the front hood, lower the hood and press the handle down firmly Do not press on either side of the hood. Make sure the hood is securely locked.

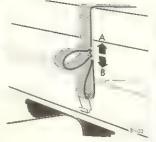


Rear luggage compartment

Additional uggage can be stored in the space behind the rear seat. You can expand this luggage area by folding the backrest down and fastering it in this position

To release the backrest, pull the strap on the left, as seen in driving direction. When you fold the backrest back, it locks automatically in its place.

After folding the rear seat forward to increase the loading area, make sure the front seats and seat backs are in securely latched positions



- A to shorten the strap
- B to lengthen the strap

To hold the backrest in the folded down position hook the retaining strap (on the back of the backrest) under the clamp on the seat rail

To adjust the ength of the strap unhook the strap and move the slide

Do not now who the manager cushion remove that the take [ed down. In the older o two poundon, the had not many the area to be a most to go of the front salety, all;



Articles stored in the luggage area behind the rear seat can be concealed from the outside view by a cover. This cover is attached with hinges to the backrest

To make use of the cover, release the backreat and food it forward Lift the cover up. Then move backreat and cover back. The cover will rest on the edge below the rear window. Press the backreat back to lock it in place.

We recommend you do not place articles on the cover. Such Items may become dangerous projectiles when dislodged during a sudden stop They n iv also reduce the driver's vision to the rear.







Convertible top

The convertible top should never be opened or closed while the car is in motion.

How to open the convertible top

The top should be dry before you open it

- 1 First release the locking levers on the sides above the windshield and fold the top back
- 2 Press down the top and engage the locking catches 1 on both sides. Make sure the badding does 10 ge caught under the fold-down slop 2 or in the linkage.
- 3 Now take the covering boot (a separate cover that comes with every new VW Convert be) and side it over the folded-down top. Fasten inner and outer snaps on both sides. Pull boot down over edge where top joins body at reer as shown (arrows). Then fasten and snug up straps on inside. Do not drive without covering boot and it not have the covering boot and it could be at the covering boot and in the life of the solution. Wind we life cover it is at the folded periong a driver to a side of the solution.

tew to close the one of it. I to

the rear windows. Press the top down lightly to disengage the locking catches on both sides. Fold the top up and toward the front

- 2 From inside the car, grasp both levers and put the top forward until the pins enter the guide holes on the wind shield frame.
- 3 Engage the hooks at the end of the lever into the grasping brackets above the windshield frame. Now look the top tightly by pushing the level Loward.

As a last step, close the real windows

Starting hints

Never start or let the engine run in an enclosed, unventilated ares. Exhaust fumes from the engine contain carbon monoxide, which is a colortess and odorless gas Carbon monoxide can be fatal if inhaled.

For your protection, wear safety belts at all times while the car is in motion

Before turning the ignition key, make sure the gearshift lever is in Neutral.

It is not necessary to depress the acceler ator pedal when starting This holds true for a cold engine and an engine at operating temperature no matter what the outside temperature is The electronic flue njection system with which your Volkswagen is equipped automatically supplies the required amount of fuel for starting

Winter starting

Depress the clutch pedal when starting so that the starter only has to crank the engine As soon as the engine starts, release the

If engine should fail to start after 10 to 20 seconds, turn key back to position 1 and repeat starting procedure (see also "ign-tion/steering tock").

Allow about 1 minute between each starting attempt

The warning lights for oil pressure and a ternator in the speedometer dal and the brake warning light on the dashboard will light up when the ignition is turned on The oil pressure and alternator warning lights should go out after you have started the engine. The brake warning light should go out after releasing the oarking brake.

NEVER LEAVE CAR WITH ENGINE

When starting engine, be ready to drive off Immediately. Maintain moderate speed until engine is warm If you le en ' > ld" rettended. warning OR to see me c a on to indicat noror a 1000 rould go I sire 6 of This of idthe Table A. B. a marge of the co

Do not park or operate the car in areas where the hot exhaust system may come in contact with dry grass, brush, fuel spill or other flammable material.

Cars with catalytic converter

If your Volkswagen is equipped with a catalytic converter as part of the emission control system, the following is important to know.

After the engine is warmed up (not during or shortly after engine start-up) a maiftunction in the ignition system, caused by a faulty spark plug for instance, could reduce the effectiveness of the converter. To keep the converter operating properly we advise you to slow down mmediately if you should notice a sudden interruption in the pull of the engine under normal acceleration. This interruption could be for brief moments or of onger duration Drive slowly (With half or less throttle) to the nearest WW deaver or other qualified workshop to have your ignition system checked and if necessary corrected

Fuel supply

UNLEADED FUEL ONLY

for cars with a catalytic converter Calfornia models on y) Such vehicles are so dentified by a stoker on the dashboard and another sticker next to the fue tank flab

Cara with catalytic converter

Cars with catalytic converter need unleaded fuel. The catalytic converter is an efficient "clean-up" device built into the exhaust system of the car. The catavtic converter burns the undestrable pollutants in the exhaust gas before it is released into the atmosphere

Deposits from leaded gasolines destroy the catalytic converter and thus defeat to purpose to control harmful exhaust em ssions

Cars with a catalytic converter, requiring un eaded fuer have a smaller fuel tank opening, and gas station pumps have smaller nozzles. This wil prevent acc. dental pumping of leaded fuel into cars with a catalytic converter

Unleaded fuels may not be available outside the continental U.S. and Canada Therefore, we recommend you do not take your car to areas or our tries where unleaded fuel may not be 24 avallable

REGULAR including low-lead and unleaded fuel, of 91 RON octane rating. for cars without special marking.

Min. octane rating is listed on a label on the inside of the fuel tank flap

Regular fuel and octane rating

Octane rating indicates a gasoline's ability to resist detonation Therefore buying the correct octane gas is mportant to prevent engine "knock"

Regular fuels have an octane rating ranging from 91 to 95 RON (Research Octane Number) or 87 to 91 CLC (U. S. Cost of Living Council Octane rating)

The 91 RON octane rating which you will find on a labe, on the inside of the fuel tank flap of your car s based on the research method. The CLC octane rating usually displayed on U.S. gasoline pumps is calculated as follows research octane number plus motor octane number. divided by 2, that is

RON+MON

The CLC octane rating is usually 4 points less than the RON rating

> 91 RON equas 87 CLC 95 RON equals 91 CLC



Fuel filler neck is on the side panel above the right front fenger. When putting cap back on, twist it clockwise until it stops with an audible click

Fuel tank capacity is isted under "Technica Data/Capacities"

The Auxiliary Heater (optional equip ment) must be turned off when filling the fuel tenk

Never start or let the engine run in an enclosed unventilated area. Exhaust fumes from the engine contain carbon monoxide which is a colorless and "dorless gas. Carbon monoxide can beledni ti istat ec

Engine exhaust is dangerous if inhaled

Therefore:

- Never start or let the engine run in a closed garage
- Exhaust fumes from the engine contain carbon monoxide, which is a colorless and odorless gas Carbon monoxide can be fatal if inhaled.
- If you smell gas furnes in the car, drive with the windows open. Have the cause immediately located and corrected.
- Never carry additional fuel in portable containers in your car.
 Such containers, full or partially empty, may leak, cause an explosion, or result in fire in case of a collision.

How you drive affects gas mileage

Your Volkswagen gives you excellent fue mileage. However fuel economy will vary depending on where, when and how you drive optional equipment installed in your dar, and the condition of your car.

- Keep a light foot on the gas pedal
- Drive smoothly, avoid abrupt changes in speed as much as possible
- Avoid jack rabbit starts and sudden stops
- Avoid unnecessary idling Turn the engine off
- 'Warm up' idling wastes gas Start the car just before you are ready to drive. Accelerate slowly and smoothly
- Do not carry unnecessary weight
- Orga 3 ou 3s t 3k 1 several errar
- ♣ U > ricond o w n = e

How to improve fuel mileage

A well tuned and properly maintained carwill help you get maximum fuel economy

- Have your car tuned to specifications
- Fuel injection should be adjusted to specifications
- Spark plugs should be clean, properly gapped and firing efficiently
- Air cleaner should be diffree to allow proper engine "breathing"
- Battery should be fully charged
- Wheels should be aligned
- Tires should be inflated at correct pressures

Hand and foot controls



1 - Clutch pedal

Always depress the clutch pedal fully when changing gears. On not hold the car on a steep hill with the cutch pedal partially depressed. This may cause premature wear or damage.

2 - Brake pedal

Make sure that the movement of the brake pedal is not obstructed by a floor mat, or any other object.

Brake system

Your VW is equipped with a hydrounide or out brake system with drum rapids a front and rear

Brake operation and brake warning light

Make it a habit to check the operation of your brakes before driving off. The brake warning light will light up if one of the brake circuits should fail. The warning light is explained under "Brake warning ignt".

Keep n mind that the braking distance ncreases very rapidly as the speed increases At 60 mph or 100 km/h, for example, it is not twice but four times longer than at 30 mph or 50 km/h. Tire traction is also ess effective when the roads are wet and slippery. Therefore always maintain a safe distance.

Moisture of brakes affects braking

Driving through water may reduce the tire traction. Moleture on the brakes from road water or from washing the car may also affect braking efficiency. Cauther of aprofession lies in a braking acts the factor of the second of t

Brake wear

Volkswagen automobiles have excellent brakes, but they are still subject to wear

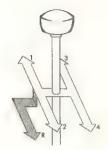
depending on how the brakes are used. If you find that the brake pada trave has increased, have the brakes adjusted if necessary, between the specified maintenance intervals.

New brake linings

Brake linings may not have the highest possible braking efficiency when new Therefore allow for longer braking a stance during the initial 100 to 150 miles or 150 to 250 kilometers.

3 - Accelerator pedal

For good five economy we recommend smooth and even acceleration. Very fast, racy driving, atternating between full throttle and hard braking, raises the fuel consumption considerably. Also, tires and brake linings wear faster.



4 - Gearshift lever

The Manual Transmission is fully synchronized The four forward gears and a reverse gear are arranged as illustrated. The shift pattern is also shown on the natrument panel be ow the speedometer.

Resting your hand on the shift lever knob while driving will cause premature wear to the transmission.

Speed ranges

You can drive your Volkswagen at full speed from the first day there a p break-in schedule. There are, hc let r

certain recommended speed ranges for the various gears

1st gear up to 16 mph or 26 km/h 2nd gear 11-34 mph or 18-54 km/h 3rd gear 22-56 mph or 35-90 km/h 4th gear from 31 mph or 50 km/h up

If you have a traffic situation where it is necessary for you to overtake rapidly you can accelerate, for a brief period only up to

37 mph or 60 km/h in 2nd gear 62 mph or 100 km/h in 3rd gear

Reverse

Only shift into Reverse when the car is not moving

To engage Reverse gear smoothly respectably after some driving), depress the clutch pedal fully and rest the shift lever in Neutral for a few seconds before shifting into Reverse.

To engage the reverse gear press the lever down nown to the level and pull back

The bacoping at 30 a comatically when you angare the ise as and the light the city.

5 - Parking brake lever

To set the parking brake, press in the release button at the end of the lever as you pull up the lever. The parking brake is engaged as soon as you release the button on the raised lever.

With the ignition on, the brake warning light will light up

To release the parking brake pull the lever slightly up, depress the release button and then push the lever all the way down.

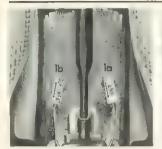
When the parking brake is fully released, the brake warning light will go out.

Be sure the parking brake is fully released, because a partially engaged parking brake promotes wear of the brake limings

Do not remove the key from the steering lock while the car is rolling to a stop The steering column is locked as soon as you remove the key. Take out the key only after the car is perked.

Atways set the parking brake when a long your car On steep hills also turn the wheels toward the curb

CLIMATE CONTROLS



Heater/Defroster

A fresh air heater defroster is standard equipment on your Volkswagen. The control levers are located on the Lunnel between the front seats. The heater ever spot light will illuminate the evers when the parking or headights are turned on

The brightness of the spot ight and instrument illumination can be adjusted by turning the thumb wheel next to the ight switch. See also page 16



Lever up

1a - Heater temperature lever (TEMP)

The lever toward the passenger's seat controls the temperature level

Lever up - heat on fully Lever down - heat off

By setting it at any intermediate position you can select the degree of heat that is most comfortable for you

After a reasonable warm-up time which also depends on the speed of the car, warm air will enter the cars interior through the windshield vents = 1 -, the side window vents = 2 - and outlets in the front and rear feathers.

Footwell outlets

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1b - Heat distribution lever for front and rear footwells (DEF-HEAT)

With the lever on the tunne next to the driver's seat you can control the distribution of heat to the front and rear footwalls

Lever down - front and rear footwells

front and rear footwells fully open

You can select any intermediate position to regulate the distribution of heat to the front and rear footwells.

2 - Defroster vents for front side windows

Volume and direction of the air coming from the outlets on the dashboard can be controlled separately by adjusting the flaps in the outlets. They can be opened or closed by pressing against one side of the flaps. When the flaps are closed, the entire volume of warm air flows through the vents at the windshield (- 1 -).

Hints for defogging and defrosting

Defogging and defrosting your windshield will be more effective if you direct the total air flow toward the windshield

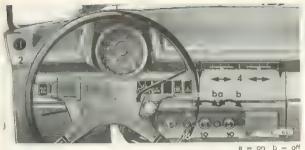
Here is what to do

- Heater temperature lever 1a all the way up (TEMP) – heat is on.
- 2 Heat distribution lever 1b all the way down (DEF) - no heat to the front and rear footwells
- 3 Open the flaps in the front side window vents 2 -

For defogging purposes it may be advisable to add fresh air to the warm air flow

 Turn the left fresh air k. ob - 19 - to the left and turn on the fresh air fan · 18 -(see next page)

Now all air is directed toward the windshield and to the front side windows



Ventilation

Air enters the car through the grille on the front hood and inside vents. A water separator prevents rain from entering.

A two-speed electric fan behind the natrument penel increases the flow of air when driving at low speeds and also supplies fresh air when the car is standing still (pritten on)

19 - Fresh air knobs

You can regulate the volume and distribution of fresh air with the two knobs

Left knob - turn to left

Air flow to windshield vent - 1 - and side window vents - 2 - increases

Bight knob - furn to left

Anthorized association of the state of the s

To decrease the air flow, furn the knobs to the right

To stop the air flow completely turn the knobs to the right beyond the pressure point

18 ~ Fresh air fan

You can increase the regular air flow by turning on the two-speed fan

The switch positions are:

0 - off

I - low speed
II - high speed

The fan operation is most affective if you have opened the fresh air vents by turning the fresh air knobs all the way to the left.

To give you full battery power while starting the engine, the operating fresh air fan will stop automatically at this moment



VW Auxiliary Heater

(optional equipment)

Do not start or let the engine or heater run in an enclosed, unventilated area to warm up the car. Exhaust fumes from the engine or gasoline heater contain carbon monoxide, which is a cotoriess and odoriess gas Carbon monoxid. (4) he fatal if inhaled

To turn the heater on, depress lower half (symbol) of the rocker switch. A green indicator light will light up in the switch

The indicator light will also glow when the headight switch is operated while the heater is not in operation. This feature has been provided for easy recognition of the switch in the dark

To avoid an unnecessary drain on the battery switch the heater off after about 25-30 minutes if the engine has not been started in the meantime.

A heat limit switch will turn the heater off periodically. The heater will come on again automatically within 3 minutes.

To turn the heater off, depress upper half (blank) of the rocker switch. The indicator light then goes out but the blower motor continues to run until the heater has cooled down.

The heater must be turned off when filling the fuel tank.

When it is a 'or' full to capacity is require to starting cutties, it is additionable not to in half I of vehille ter uner his or it in

The heater normally requires no special maintenance it is advisable, however, to have the heater plug checked once a year before the cold weather sets in and a new plug installed if necessary. The fuel system should also be checked for cleantness, and the electrical connections for tightness.

During the winter and when driving over very poor roads, mud or snow may tend to accumulate in the exhaust and combustion air intake pipes. Have these pipes checked for blockage from time to time so that the heater continues to work properly.

When the heater is not in use for long penods, for instance during the summer, the fuel in the heater can evaporate it is therefore advisable to operate the heater binefly once a month when it is not in regular use.

Fuel Gasoline from fuel tank Fuel consumption: appr. 0.7 U.S. pint/h or 0.3 liter/h Electric consumption: 40 watts

Heat output: 8,000 BTU/h



VW Air Conditioner (optional equipment)

Operating controls

1 - Air volume switch ("FAN")

This switch serves two functions. It turns the air conditioning system on and off and controls the fan speed.

The sequence of the fan speeds s OFF - LOW - MEDIUM - HIGH

2 - Air temperature control ("TEMP")

By turning the control to the right the desired cooling range can be selected it is in the coldest position when turned to the extreme right

3 - Air vents

All vents can be adjusted up, down or sideways as follows

Up and down by the small tab on the ower edge of the vent housing

To the sides by the vanes in the vent

Starting the Air Conditioner

With the windows and fresh air regulator knobs closed turn the air temperature control to the desired position and select the air volume speed desired. On extremely hot days turn the air volume to full capacity and open a window. Within a few minutes, the hot air will be forced out of the car and the window can be rolled up as cooling starts.

Adjust the air vents to the desired pos-

Stopping the Air Conditioner

Turning the air volume switch to the "OFF" position stops the entire air conditioning system

When restarting a stalled engine, it is not recessary to turn off the air conditioner. The operating air conditioner will turn off submartically at this moment.

Operational hints

If the car interior becomes too cold after adjusting the air voume, turn the air temperature control to the left until the desired comfort level is reached

If the windows fog over on the exterior on warm humid days, turn the air temperature control to the left until the windows clear up, or turn the windshield wipers on,

If the windows fog over on the interior, they can be quickly cleared by turning on the air conditioner.

During highway driving set the air tempersture control in approximately the middle position

You can also mix fresh air with air conditioned air by turning on fresh air ventilation (see page 30)

- If cool air stops completely, turn the air conditioner off. Contact your VW dealer he has the qualified personnel and proper workshop equipment to correct the problem
- If the engine tends to overheat, turn the air conditioner off until the coolant temperature reaches a normal eve
- If cool air flow decreases, the evaporator may be using up. To perm the

evaporator to defrost, turn the air conditioner off or reduce the fain speed and turn the temperature control knob to the left. After the evaporator has defrosted, the controls can be reset for maximum cooling

Caution

Should you suspect that your air conditioner is damaged, have it checked promptly for leaks or other damage. Leaks must be sealed immediately since loss of refrigerant may result in serious damage to the air conditioning system.

Maintenance hints

During the winter season it is advisable to operate your Air Conditioner for a brief moment every week. This will help to keep the seals and fittings properly ubricated.

The condenser should be checked periodically for cleaniness. If clogged in any area with dirt or insects, the condenser should be in the lower with a way.

If the company is an as the car should be take a way dealer for at higher to profine one set in:

After the winter months and before extended summer usage, the air conditioner should be checked and, if necessary serviced by a VW Dealer

An air-conditioned Volkswegen should only be raised on a lift that provides adequate clearance to prevent damage to the refrigerant hoses.

Circuit breaker

An automatic resetting circuit breaker for the power supply of the air conditioning system is located under the rear seat. It is connected directly to the battery

Payload reduction

When a VW Air Conditioner is nstalled, the vehicle capacity weight will be reduced accordingly (see sticker on the inside of the glove compartment door)

DO-IT-YOURSELF SERVICE

Cleaning your VW

The paint on your VW is very durable and so is the upholstery. But a car can get a ot of abuse from industrial fumes and corrosive road sait to half-eaten lo lipops and muddy dog feet

A well-cared-for VW can look like new 10 vears later. It ail depends on the owner and the amount of care he is wling to give to his car.

Here are a few hints on how to keep your VW looking young and beautiful. We have

isted some of the car-care products that you may find at your VW Dealer

Whenever using VW-recommended products or other deaning agents, follow the directions on the containers. Be aware of warning or caution labels.

Washing your VW

The longer the dirt's left on the paint, the greater the risk of damaging the glossy finish, either by acratching if the dirt is rubbed into the paint or simply by the chemical effect dirt particles have on the paint surface

Therefore dirt should be washed off as soon as possible NEVER WASH IN DIRECT SUNLIGHT

Use plenty of water, a car-wash and wax solution and a soft sponge or hose brush Begin by spraying water over the dry car to remove all loose dirt before applying the car wash and wax solution.

Use plenty of water to rinse the car off Wipe the car dry with a chamois to avoid water spots

Waxing

Waxing is not really needed when you have washed your car with the car-wash and wax solution, if you do not use a car wash liquid with wax, apply wax to preserve the natural spine of the car.

To obtain a long lasting wax finish, apply hard wax eight to ten weeks after buying the car. Wax again when water remains on the surface in arge patches instead of forming beads and rolling off

App lostion

Car wash and liquid wax Paint waxing Paint polishing and paint waxing to remove paint exidation Preservation of chrome parts Paint touch-up Convertible top cleaning Leatherette and interior trim cleaning Volkswagen Product*

Car Wash and Wax Car Wax Wax Polish combination

Chrome Cleaner Touch-Up Paint (all colors) Ail Purpose Cleaner

Winc and Was A F Ze L Col ent

Whitewal tire cleaning

anti-freeze

Polishing

Use a polish later in the car's life when the paint appears dull and loses its shire Do not polish the new car. Always apply wax after polishing if the polish you are using does not contain a wax

Any wax polish combination polishes your dar, removes paint exidation and also waxes your dar

Cleaning windows

Clean windows with a sponge and warm water Dry with a chamois.

Weatherstrips

To seal properly, weatherstrips around windows and doors must be pliable. To retain flexibility of the rubber, spray with slicone, available from your VW dealer, or coat with talcum powder.

Windshield wiper blades

Remove the wiper blades periodically and scrub with a hard bristle brush and alcohol or a strong detergent solution

Chrome care

To protect the car's chrome, apply chrome cleaner

Care of plastics

If your car has decorative plastic stripes or pane's they will come clean during the normal car washing process. Should additional cleaning or spot removal be necessary, use a soft brush or cloth is all individual to the purpose cleaner. Do not u a vixx

or polish which could mar the plastic

Touch-up paint

Your dealer has touch-up paint for minor scratches and stone chips. Scratches should be touched up soon after they occur.

Care of chassis

The underside of the car picks up did and salt and should be sprayed with a powerful et of water. This is easier to do after the car has been driven in rain.

Removing spots

Do not use gasoline, keroseno, naphtha. nell polish remover or other volatile cleaning fluids. They may be toxic or flammable or hazardous in other ways Only use spot removing fluids in well ventilated areas. Keep them out of reach of children.

Tar

Do not allow tar to remain on the paint finish Remove t as soon as possible with a lotth soaked with a special paint ceaner If you do not have a far remover you may substitute with turpentine After applying a cleaning fluid always wash with a lukewarm soap water solution and apply a right way.

Insects

Remove soor a nos in with a linker with a long water a little in a big rise to reion on r

Tree sap

Remove with a lukewarm scap/water solution. Do not allow tree sap to harden on the paint surface.

Leatherette and interior trim

Use all purpose cleaner or a dry foam cleaner Greese or paint spots can be removed by wiping with a cloth soaked with all purpose cleaner. Leatherette parts of the headliner and side trim panels can be cleaned with a soft coth or brush and all purpose cleaner.

Cleaning the convertible top

The top does not require any special care. Wash off dirt as soon as possible Do not wash in direct sunlight. Use luke warm water together with all purpose cleaner A hard bristle brush will help to loosen dirt from the grained surface of the material Avoid scratching the body of the car with the bristles.

To remove spots, use a stronger solution of all purpose cleaner. Never use paint inhinner, nail polish remover or similar agents as they may have ediverse effects on the top material.

After cleaning and washing the top insethe car well with clear water

Clean the pivot points of the top linkage from time to time, and jubricate them lishtly with a few drops of oil. Wipe off a passive oil to prevent oil from dripping or the top material.

Fuses and relays

A falure in the electrical system may be caused by a blown fuse or a maifunctioning relay

The fuse/relay box is located unter the dashboard

The fuses are protected by a transparent cover



Replacing a fuse

Before replacing a fuse, the ground terminal of the battery should be disconnected if this is not possible, turn off all electrical components and the lignition; remove the key. Replacing a fuse or relay with the angine running or the ignition on could cause electrical shock, burns to hands and fingers.

- Take cover off
- To replace a fuse, simply depress a contact on either side of the fuse
- Carefully install new fuse with metal strip facing you. The fuse must fit tightly between the contact springs – do not bend the springs
- Reinstal cover

When a fuse is blown it is not sufficient to merely replace it. The cause of the short or crult or overload must be found. On no account should fuses be patched up with tin foll or wire as this may cause serious damage elsewhere in the electrical circuit.

It is advisable to always carry a few spare fuses in the car.

Plug-in relays

To preclude any possibility of damage, we recommend you have a maifunctioning relay elked of the collapse by your VW dear

Fuse arrangement

according to the numbers on the fuse

- 1 Tall Light left
- 2 Tail light right, perking and side marker lights ricense plate light
- 3 Low beam left
- 4 Low beam right
- 5 High beam left, high beam warning ight
- 6 High beam right
- 7 (free for subsequent installation of electrical equipment,
- 8 Emergency flasher, clock
- 9 Interior light, digarette lighter
- 10 Windshield wipers, fresh air fan rear window defogger (switch current)
- 11 Safety belt warning system includering light, stop lights brake warning light, horn
- 12 Turn signals fue gauge, warning I ghts for alternator, engine oil presisure, turn signals and EGR (exhausing se recirculation)

Fuse No 9 and 10 = 16 emps (red color) a, other fuses = 8 amps (white color)







Additional fuses

Electrical equipment

Back-up lights

Rear window defogger (main current)

Aux lary heater (optional equipment) Fuse

Location of fuse holder

в атр.

16 amp

In the engine compartment above the ignition coil (A) 8 amp

Underneath the rear seat on the left (B). (as seen in driving direction)

In the front luggage compartment near the heater (C)

To replace a fuse in an inline fuse holder pull the holder out of the clip where necessary To open the holder, grasp both ends of the holder, press lightly together and twist counterclockwise Install fuse. To close the holder put both ends together again, press lightly and twist clockwise

Removing and installing rear seat

these steps'

- Unscrew Philips screw in the center of the seat rail Raise the front edge of the seat and
- pull it sightly toward you Reposition the safety beits!
- For easier removal tilt one side of the seat up and hold the seat diagonally while taking t out of the car

When putting the seat back in again follow the same steps in reverse order Lift the seat into the car, holding the

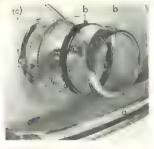
- seat diagonally with one end filted up With the front end of the seet tited up, side the seat fully back under the backrest Position the safety belts on top of the seat cushion.
- Press down the front edge of the seat to firm y position it in place
- Tighten Philips screw.

Do not drive with the rear seat cushion removed and the backrest folded down. In the folded down positing the backrest may interfere with the chiers 38 tion of the front safety belts.

Bulb chart

When taking out the rear seat follow Always verify part number with your dealer

r	Bub for		Trade bubs		VS VW Part No	Canada VW Part No
1	Sealed beam headights)	-	6014		ZVP 118 114	N 176146
	Front turn signal, parking ghts		1034		ZVP 118 034	N 17 7382
3	Side marker ights		1816		ZAP 118 816	N 177172
1	Rear turn signal		1073		ZVP 118 073	N 17731 2
	Stop lights		1073		ZVP 118 073	N 17731 2
	Tail lights		67		ZVP 118 067	N 17718 2
	Back-up ights		1073		ZVP 118 073	N 17731 2
t	License plate ight		89		ZVP 118 089	N 177192
	Warning imdicator and instrument ights in speadometer				N 17 722 2	N 17 722 2
1	Warning and indicator ights for brake operation emergency flasher rear now gipel					
1	and Kery i or	. 1	-	1	N 177512	N 17 751 2
	Try for historive				N 17 751 2	N 17 751 2
	ts c I h		В		ZAP 118816	N 17717 2



Replacing bulbs

Headlights

Your Volkswagen is equipped with double in ament seven nich sealed beam units Should it become necessary to replace a unit, oosen screw in the center of the trim ring below the headiight and take off the trim ring

Firmly grasp the loose screw - a non-removable) and put trim ring off

Remove three short screws -b- in sealed beam retaining ring and take ring off Do not alter the position of the long headlight adjustment screws (- c -).

Take sealed beam unit out of support ring and pull cable connector off

When installing new sealed beam units be sure the three glass lugs engage properly in the support ring.

Loosely insert the screw for the trim ring and turn for 2 or 3 turns

Position edge of trim ring over upper ug Press ring over lug and tighten screw

If no other headlight part as described here was removed or its position changed, it should not be necessary to aim the headlights if in doubt have the adjustment checked at your dealer



Front turn signal/parking light bulb or side marker light bulb

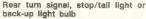
Remove two Phillips screws Take off housing and lens

Gently press bulb into holder, turn and take out

Install new bulb

Be sure the gasket is properly positioned when reinstalling the housing and iens Tighten screws evenly. Do not overtighten as this may creck the iens





Unscrew four Philips screws and remove ena

Bulb positions:

a - turn algna, light

b - stop I ght

c - tail light d - back-up light

Gently press bulb into holder, turn and take out Instal new bulb

Be sure the gasket is properly positioned when reinstalling the lens. Tighten screws evenly. Do not overtighten as this majorable the lens.



License plate light bulb

Open rear hood.

Remove screws on each side of lens and take off lens with bulb holder

Puil bulb holder out of tens

Gently press bulb into holder, turn and take out.

Instail new builb

When installing ensure that the cable grow total perk



interior light bulb

nsert screwdriver between upper edge of light housing cutout and mirror bracket and carefully pry out

Take out bulb

natal new bulb

nsert lower edge of light housing first and then press upper part into place on mirror bracket.



Spare wheel

The spare wheel is connected to the windchield washer container and supplies the pressure to operate the washer. The air supply to the windshield washer will be intercipted automatically by a cut-off valve if the tire pressure drops to 26 ps (1.8 kg/cm²). This prevents the spare tire from being deflated below the required pressure.

Check the tire pressure from time to time and maintain it up to a maximum of 42 pai (3 0 kg/cm²). This pressure leve is only required for the operation of the instance shield washer system. For road us,

adjust the spare tire pressure as specified on the sticker on the inside of the glove compartment door

The spare wheel is stored horizontally under the luggage compartment cover under the front hood. To unlock the hood, pull the lever inside the glove compartment

Checking or correcting the tire pressure

First unscrew the hose from the valve near the filler cap of the windsheld washer container. The spare wheel is connected to this valve and can therefore be pressurzed via this valve. Reconnect the hose to the valve after checking or inflating the spare tire.



Jack

The jack is only to be used for changing a wheel Do not use it as a support to work underneath the car.

The jack is located under the rear seat next to the battery it is held in storage position by a clamp (A). To take out the jack take out the rear seat (see page 38) and lift the clamp. Before placing the jack back in storage wind it down sufficiently and faster the handle with the rubber band (B). Tighten the clamp (A)

Changing a wheel

f you have a flat tire move off the road. Turn on the emergency flasher. In addition, mark the position of your car with flares or other warning devices to elect other motorists.

Before you change a wheel, be sure the ground is level and firm, especially near the rear wheels where the jack ports are

Set the parking brake and block the wheels opposite the defective wheel on the other side of the car.

For a more efficient and safe changing of a flat tire, observe the following 10 steps

Further on, we expand on these steps in greater detail.

Step 1 - Take out tools, ack and spare wheel

Step 2 - Remove protective caps

Step 3 - Loosen whee bolts Do not take them out.

Step 4 - Securery nsert the jack in jack port. There is one for each side it is under the running board toward the rear and a used for front or rear whee changing

Never jack the car up by the bumper or the running board.

Step 5 - Jack up car

Step 6 - Change wheel and handtighten wheel boits

Step 7 - Lower car

Step 8 - Further tighten the wheel bolts

Step 9 - Reinstall protective caps or hub

Step 11 - the stand or 1 tire pres-



Step 1

Take out the jack from under the rear seat next to the pattery (see previous page)

Take out tool kit and spare wheel from front luggage compartment.

Before you take out the spare wheel, disconnect the hose leading to the wind-shield washer container (see arrow on picture 1)



Step 2

Remove protective caps for hub and wheel bolts with screwdriver



Step 3

Loosen all wheel bolts counterclockwise about one turn with the socket wrench Insert the breaker bar to make full use of its everage Do not yet remove the bolts

Step 4

Securely insert the jack into the jack port. There is one on each side under the running board toward the rear and is used for front and rear wheel changing. Never Jack the car up by the bumper or running board.

Provide for a firm base for the jack on the ground. If necessary, use a board

Passenger 'ou' of r on the car when the er s and c



a = to raise Step 5

b = to lower

Do not raise the car until you are sure the lack is securely engaged.

To raise the car, turn the handle clockwise

To get the jack as vertical as possible push the upper part of the jack toward the body while you are jacking up the car. Only raise the car as much as is needed to change a wheel

Step 6

Fully unscrew the wheel bolts. Place the spare wheel against the brake drum so that the bolt holes in the wheel are in line with the threaded holes in the brake drum. Insert the whee boits and handtighten them crosswise before lacking the car down.

Step 7

To lower the car, turn the handle counterclockwise



Step 8

Then go crosswise from one bolt to another tightening them firmly with the socket wrench and breaker bar

Correct tightness of the wheel bolts is Important.

Correctly tightened botts should have

can be obtained with socket wrench and breaker bar by any person of average strength. If in doubt about the correct tichtness of the wheel bolts, have it checked with a torque wrench by your dealer or a service station



Step 9

Reinstall the protective caps for the hub and the wheel bolts

Make in the ps in party seated

Step 10

Correct the pressure of the tire you have just put on.

Recommended tire pressures are isted on a sticker on the inside of the fuel tank flap

Place lack, wheel and tool kit in storage position (see also page 41).

have flat tire repaired as soon as possible because the spare wheel supplies the air pressure for the windshield washer

Winter operation

Engine oll

tends to thicken at low outside temperatures, which may cause starting difficulties

Refer to the viscosity chart under "Lubricante" to be sure the viscosity of the engine oil in your car atil- corresponds to the outside temperature recommendation.

When using multigrade oils, there is generally no need for a seasonal oil change

Make it a habit to check the engine oil level with every second fuel filling. Lack of oil may lead to serious damage of the engine.

Engine oil is necessary to lubricate all moving parts in the engine and also for engine cooling

Ir you drive mostly short distances in city traffic in the winter have your engine oil changed more frequently

Transmission oll

For the Transmission there are no special winter instructions

Spark plugs

Make sure the spark plugs are not worn or have a gap larger than 0 028 in or 0.7 mm

For further details see page 50.

Battery

During the winter months, more energy is consumed when starting at very fow temperatures Lights and the rear window defogger are used more often. Besides, the battery capacity tends to decrease as the temperature drops.

Therefore, it is very important to keep your battery in the best possible condition. See also chapter on "Battery"

Do not expose battery to open flame or electric spark as hydrogen gas generated by the battery is explosive. Do not let battery acid come in contact with skin, eyes, fabric or painted surfaces.

If you mainly drive short distances or in cily traffic in the winter, have the battery checked and if necessary charged between requirer inspections.

See "Bs n Ch ng"

Windsh d wir a

Afvits a cientical with latter that will a feet that will a

Windshleld washer

Always use a windshield washer antifreeze & solvent, to prevent the fluid from freezing. Follow the instructions on the can for the right amount to be used

Door locks

can freeze in the winter if water gets into them. When washing your car in the winter do not aim the water, at directly at the locks. It is a good idea to put tape over the keyholes to prevent the water from seeping in Water in the locks must be removed with compressed air afterwards. Squirt lock de-icer, anti-freeze or glycerine, linto the lock cylinders to prevent the locks from freezing.

To free a frozen lock, warm up the key before inserting it. It might also heip to warm the lock Do not use hot water as it will later freeze in the lock

Emergency equipment

It is good panning to carry emergency equipment in your car. Some of the things you should have are: window scraper, snow brush, container or bag of sand or salt, flares, small shove firstaid kit, etc.

Tires

Your Volkswagen is equipped with tubeess steel beited radial tires. The original equipment tires on your car comply with all applicable Federal Motor Vehicle Safety Standards.

Tire pressures

VW-recommended cold tire Inflation pressures are listed on a stoker on the inside of the glove compartment door. In the interest of safety, check the tire pressure of al tires, including the spare tire, at least once a week, and always before going on a long trip.

Do not exceed the maximum the inflation pressure listed on the tire sidewall. For good car handling and long tire service life it is important to maintain recommended tire pressures Tires which are inflated above or below specifications can cause increased tire wear, increased gas consumption and affect the road holding of the car.

Cold tire inflation pressure means:

when a car has not been driven for at least 3 hours or less than 1 mile

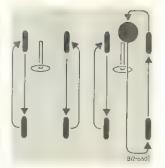
Always use tire pressure gauge when checking inflation pressures

Spare tire pressure

Since the spare tire supplies the pressure to operate the windshield washer, the pressure of the spare tire should be between 29-42 ps (2,0-3 o kg/om²). This pressure eve is only to be maintained for the operation of the windshield washer system. For road use, the pressure in the spare tire should be adjusted as specified on the sticker on the inside of the glove compartment door.

Wheel balancing

A wheel should always be blanced after a tire repair. Even with regular use a wheel can get out of blance and should therefore be balanced from time to time. Unbaanced wheels may affect car handling and tire life.



Tire rate or.

Inspection of the state of the

Tire manufacturers recommend rotation avery 7 000 miles or 12 000 kilometers to promote longer tire wear. Whee, rotating and balancing, although an expense to you will help to increase tire life

The above sketch illustrates now tires can be rotated depending on whether or not you want to include your spare the. After rotation adjust the pressure and torque when this diagonally to 94 ft ib/13 mkg lease refer to "Changing a wheel" on homes 42-441



This litra is unsafe since tread wear indicators are visible scross two adjacent prooves.

Tire wear

The original equipment tires on your VW have built-in tread wear indicators. They are molded into the bottom of the tread yooves and will appear as approximately 1/2 in (12 mm) bands when the tire tread depth is down to 1/1/8 of an in (1.6 mm) When the indicators appear in two ornore adjacent grooves, it is time to replace the tires. We recommend, however, that you do not let the tires wear down to this extent. Worn tires cannot grip the road surface properly, and are even ass effective on west reads.

Do not drive with worn tires or tires showing cuts or bruses as they may lead to sudden deflation.

If you notice that tires are wearing unevenly, consult your WM dealer. Uneven wear may not always be due to improper whee alignment of can be the result of individual of ring habits such as comering at high speeds. If the tire pressure is not checked and adjusted regularly abnormal three wear can also occur.

Tire replacement

In the interest of maximum safety and best al-round car handling always burreplacement tires that show the same specifications with regard to tire size, design, load carrying capacity, tread pattern, atc. This also applies to VW-recommended a ternate replacement tires For further details, consult your VW dealer

Replace all 4 tires at the same time if this is not possible, replace tires in pairs, either front or rear Do not combine tires of different design size or tread pattern. Tire specifications are imprinted on the sidewall of the tires if in doubt, check with your VW dealer.

Wheneve tolar a ut ass tire always it all a new value att

New fires do not possess maximum traction. They tend to be slippery. Breek new trees in by driving at moderate speed for the first 100 miles or 160 kilometers

Tire care

- Frequently check tires for uneven wear and damage
- Remove imbedded material
- Replace worn or damaged tres promptly
- Replace missing valve dust caps
- Keep oil and gasoline from tires
- Keep tires inflated correctly

Winter tires

Winter tires give good traction in snow or slush.

For more traction on snow and ice, you may want to use winter thes with studs but check with your local Motor Vehicle Bureau for possible restrictions.

Winter tires should have the same load capacity as onginal equipment tires, and should always be mounted on all four wheels.

Winter tires with studs should be run at moderate speeds when new in order to give the studs time to settle.

Tires with badly worn treads and studs are very dangerous. Make sure they are replaced in time.

Winter tires do not fulfill their purpose if the tread depth ie eas than $^{5/2}z\ln(4\ mm)$ For safety reasons, it is not advisable to drive a value a mounted with whiter tres at prolonged high speed. You cannot expect winter tres to have the same degree of traction on dry, wet or snowfree roads as a normal tire

Furthermore, winter tires wear rapidly under these conditions, particularly at high speeds.

Removing and storing winter tires

The driving direction should be clearly marked on all tires before removing them for storage. This is to make sure that they are mounted and run in the same direction as before.

Store tires in a cool and dry pace

Snow chains

Show chains may only be used on the rear wheels

Check with your local authorities regarding restrictions.

Only use chains with fine pitch links protruding no more than 1/g in/15 mm from tire tread and side walls, including tensioner

Remove the chains as soon as the roads become free of snow as they may promote increased tire wear.

Exercise extreme caution when working under the engine hood

The engine compartment of any motor varicle is a potentially hazardous area if you are not fully familiar with proper repair procedures, do not attempt the adjustments described on the following pages

I'hls caution applies to the entire vehicle

- Before working on any part in the engine compartment, turn the engine off and let it cool down sufficlently.
- If work has to be done with the engine running, exercice extreme caution to prevent neckties, jewelry or long hair from getting caught in the V-beit
- Be alert and cautious around engine at all times while the engine is running.
- Do not smoke or allow an open flame around gasoline.
- Keep a fire extinguisher in close reach.

- Always support your car with safety stands if it is necessary to work undermeath the car. The jack supplied with the car is not adequate for this purpose.
- When working under the car without safety stands but with the wheels on the ground, make sure the car is on level ground, that the wheels are blocked with wedges and that the engine cannot be started. REMOVE THE IGNITION KEY.
- Incomplete or improper servicing may cause problems in the operation of the car. If in doubt about any servicing, have it done by your VW dealer or any other properly equipped and qualified workshop
- Improper maintenance during the warranty period may affect your warranty coverage.



Cleaning or replacing spark plugs

Turn the engine off!

Removing apark plugs

Grasp the spark plug connector and pull it off Do not pull on the gnitton wires as they may separate from the connectors, unscrew the spark plugs with a suitable spark plug wrench

Cleaning spark plugs

Dirty spark plugs should be cleaned with a sand blaster, but if not available, the carbon can be removed with a wooden or plastic pick. Do not use a wire brush

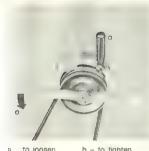
The plugs should also be clean and dry on the outside to avoid shorting and arcing

The qui, ca be set by bending the outside class de. The quit should be 0.02: set (0.7 cm)

Since the spark plug gap tends to increase in time during normal operation, it is advisable to replace spark plugs periodically (see Maintenance Schedule).

Installing spark plugs

insert them by hand and screw them into the cylinder head as far as they will go Only then use the spark plug wrench to tighten them firmly. Do not overtighten



b - to tighten

Adjusting or replacing V-belt

Turn the engine offi

To adjust the belt, remove the rear half of the pulley on the alternator When loosening and tightening the nut, place a screwdriver through the cut-out in the front half of pulley and support the screwdriver as shown in the picture



The belt tension is adjusted by varying the number of washers between the pulley halves. Taking washers out increases the tension, putting them in decreases it Extra washers are stored on the outside of the pulley half

The V-belt must not be too tight or too loose when you are making the following belt tension check. Depress one side of the best at the center between the two pulleys. The tension is correct if the belt can be depressed between 0.43 (7 is) in or 11 mm ic 0.5: 'is), or 'mm at a pressure 16.51 7.5 (a m press with you numb

This is only a temporary adjustment. Have final adjustment made by your dealer.

A new beit may stretch slight y at first To compensate for this, the best should be slightly tighter when first installed. The deflection should be between 0.35 (" 12) in, or 9 mm and 0.43 (7/16) in, or 11 mm at the same pressure. The correct bet tension will then be reached after about 30 minutes of operation

The heavy-duty V-belt has a very low stretch factor When properly installed, the belt tension will remain fairly constant Volkswagen-recommended V-belts have a relatively long service life, however, it is good planning to always carry a spare belt in your car

For the correct designation on the belt. see page 68.



Engine oll

Checking the level

Caution:

Lack of sufficient engine oil may lead to severe engine damage.

- To get a true reading the car should be on leve ground After turning off the engine, walt a few minutes for the oil to return to the grankcase
- Pull out dipstick and wipe it clean with a rag
- Reinsert dipstick, push it in all the way for an accurate reading.
- Pull dipstick out again. The citival correct if it is between the mar a i "min" marks on the dipstick.

If on level is below "min" mark or not showing on dipatick add oil immedately

The difference between the "min" and "max" marks is about 1.3 U.S. quarts or 1.25 liter.

The engine in your car depends on oil to lubricate and cool all of its moving parts. Therefore the engine oil should be checked regularly and kept at the required level. Make it a hebit to have the engine oil level checked with every second fuel filling.

Engine oil consumption

It is normal for your engine to consume oil The rate of oil consumption depends on the quality and viscosity of oil, the speed at which the engine is operated, the climate road conditions as well as the amount of diution and oxidation of the lubricant

Because of these variables, no standard rate of oil consumption can be established but I rers that di expect an incre and all aum on high speeds and when the plane in

The allocate minion can be up 1

1. U 3 quarts at 8 repart of the lace of



Adding engine oil

- Jnscrew cap from oil filler neck
- Only add the amount of oil that is needed. Always select a quality oil The correct oil grade and viscosity recommendation is given under "Lubricants"
- When putting the threaded cover (arrow) back on, turn it clockwise, but do not overtighten

See also CAUTIONS on page 49.



Changing the engine oil

Change the oil in your engine regularly (see Maintenance Schedule). This is very important as the lubricating properties of oil diminish greduelly during normal operation of the car.

f you drive mostly short distances or in dusty areas the engine oil should be changed more frequently.



Drain the oil when the engine is still warm. Loosen all six cap nuts. Then, after removing five of the nuts, pry the oil strainer cover loose. Allow the oil to drain.

After the oil is drained, remove the oil strainer to clean it. The cleaning of the strainer should be done with every oil change. Use new gaskets and washers when re-installing the strainer to be sure no oil fee. W. de up [

Tighten conuts is aros as attent to a target m 5 ft o 7 m ...

 Fill the engine with oil labeled "For Service API/SE"

Engine of capacity is listed under "Capacities"

Be mindful of how you dispose of used engine oil. Do not dump it on garden soil, wooded areas, into open streems or down sewage drains.

Local zoning ordinances or environmental regulations will tall you how you can dispose of it. Should the discarding of the old oil present a problem to you we suggest you have the oil changed at your dealer or a service station.

Because of the detergent additives in the oil, the fresh oil will look dark after the engine has been running for a short time. This is normal and there is no reason to change the oil more often than recommended by the manufacturer.

See also CAUTIONS on page 49.

Transmission Oil

Both transmission and final drive are combined in one housing. The lubricant used a hypoid oil which does not have to be changed.

Should the need arise to add oil it should only be done with the necessary workshop equipment

Air Cleaner

A.I the dust present in the air drawn in by the engine is retained by the filter element in the air cleaner

A dirty fitter element not only reduces the engine output but can also cause premature engine wear. Under normal conditions it is not necessary to service the fiter element more frequently than is mentioned in the Maintenance Sonedule if local conditions are such that the vehicle is often driven on very dusty roads the cleaner must be serviced more frequently, even daily if necessary.

To clean or to replace the filter element, do the following



Release the four clips -A- and take top part of air cleaner off

Pult hose -B- off

Take the filter element out and clean or replace it. Remove the dirt by shaking the filter element out with the dirttrapping side down

Note

The paper filter element must never be cleaned or spaked with gasoline, clear q uic r oi

Whe stally gile and e.g., make sure the element is impersionally and extended at a conference of the element is a second of the element of th



Lubrication

Door hinges and locks

The door hinges have to be lubridated at specified intervals (see also Maintenance Schedule). Your VW dealer uses a grease dun with a tapered nozzle.

If upon inspection the door locks are not working properly they should be lubricated with a few drops of oil after the plug has been removed from the access hole

To ubricate the lock cylinder dip the key into graphite, insert it and turn it a few times in the lock



Container for windshield washer fluid (1)

As clear water is usually not adequate for cleaning the windshield add a cleaning so at on to the water such as a windshield washer anti-freeze & soivent

It is a concentrate, so follow the directions on the can for the correct amount to be used

You can use this solution all year round it helps to keep your windshed clean, and prevents freezing of the washer fluid in he winter The windshield washer container is located under the front hood

To add washer fluid, just unscrew the filler cap. The container can be filled to the top.

The capacity of the container is fisted under "Capacities"

Since the spare tire supplies the pressure to operate the washer, it should always be kept up to a pressure of 42 psi (3.0 kg·cm²). To pressurize the spare tire see page 41.



Brake fluid reservoir (2)

The brake fluid reservoir is located under the front hood on the left side as seen in driving direction.

The brake fluid should always be above the seam edge near the top of the reservoir If it drops below this point, the cause should be corrected by your Volkswagen dealer

Every 2 years, the brake fluid has to be replaced

See Ma nance ned

Only new, unused DOT 3 - or DOT 4 - brake fluid that meets the SAE recommendation J 1703 and conforms to Motor Vehicle Safety Standard 116 must be used.

Do not add or mix DOT 5 silicone type brake fluid with the brake fluid in your car as severe component corrosion may result. Such corrosion could lead to brake system fallure.



Battery (12 Volt)

The battery is under the rear seat on the right as seen in driving direction. Just take the rear seat out (see page 38)

The electrical system depends mainly on the battery. Therefore, the battery should be checked regularly and kept in good working condition

Checking battery fluid level

Each filler plug has to be unscrewed to check the fluid level in each cell. If it is below the indicator, top it up with distilled water Only fill up to indicator, otherwise the electrolyte will overflow when the battery le being charged and cause damage

How often water must be added to the battery depends mainly on operating conditions and on the time of year. As a general rule, the battery electrolyte level must be checked more often in the summer than in the winter, and more often when driving long distances.

Do not let battery acid come in contact with skin, eyes, fabric, or painted surfaces.

If you get electrolyte, which is an acid, in your eyes or on your skin, immediately rinse with cold water for several minutes and call a doctor.

Cleaning terminals and connections

The terminals and connections should be kept clean and greased with silicone spray or petroleum jelly. Make sure the ground connection to the body is tight and free of corrosion

When working on the battery, be sure not to short circuit the terminals. This would cause the battery to heat up very quickly, which could lead to damage.

Never drive the car with a disconnected bettery as this may damage the electrical system.

Do not expose the battery to an open flame or electric spark. Hydrogen gas generated by the battery is explosive.

See also CAUTIONS on page 49.

Charging of Battery

WARNINGS

Charge battery in a well ventilated area. Keep away an open flame or electrical spark. Do not smoke. Hydrogen gas generated by the battery is explosive.

Electrolyte fluid that has squirted out during charging should be washed off with a solution of warm water and baking sods to neutralize the acid.

If you get electrolyte, which is an acid, in your eyes or on your skin, immediately rinse with cold water for several minutes and call a doctor.

Never charge a frozen battery it may explode. Allow a frozen battery to thaw out first.

Never use a fast charger as a booster to start the engine This may seriously damage the car's electrical system and the charger.

Fast charging a battery is dangerous and should only be attempted by a competent mechanic with the proper equipment.

See also CAUTIONS on page 49.

Slow battery charging

- It is not necessary to take out the battery from under the rear seat, and it is also not necessary to disconnect the cables. Vent caps may be left on, but loosen them to assure proper venting.
- Make sure the electrolyte level in each cell is near the indicator. If necessary, top up with distilled water

Heed all warnings and follow instructions that come with your battery charger.

1 - Charging rate not over 6 Amp.

Normalty, a battery should be charged at no more than 10 percent of its rated capacity. For example, a charging current of 4.5 Amp, would be used on a battery having 45 Ah. Rated capacity of the battery in your car is listed on the battery housing.

- Connect charger cables and switch on charger.
 - Do not connect or disconnect charge calling while charger is open in
- 3 Afte harging um iff arger and
- 4 Thantan G

To take out battery from car

- 1 Take out the rear seat (see page 38).
- 2 Take out the tack (see page 41)
- 3 Disconnect negative ground strap
- 4 Disconnect positive cable
- 5 Unscrew bort of holding plate (see arrow in picture on previous page, with socket wrench

Vent caps should be on when taking out the battery to avoid fluid spillage.

To reinstall battery in car

- Place battery in car and tighten bolt of holding plate
- 2 Reconnect positive cable
- 3 Reconnect negative ground strap
- 4 Reinstell jack (see page 41)
- 5 Reinstali rear seat (see page 38)

Emergency starting with jumper cables

Warnings

- Improper use of a booster battery to start a car represents an explosion hazard.
- Lead acid batteries generate expicsive gases Keep sparks, flame and lighted cigarettes away from batteries.
- If battery is frozen, thaw it out first.
 Otherwise it may explode.
- Check electrolyte level of each cell.
 If necessary, fill with distilled water up to indicator in each cell.
- Make sure the voltage of both batteries is the seme. You can tell by checking whether each battery has the same number of vent caps. A 12-Volt battery has 6 vent caps.
- Make sure vehicles are not touching
- Car with discharged battery turn of lights and accessories ignition key should be removed Move lever to Neutral Set parking brake

- Car with booster battery should be running
- Remove vent caps from booster battery and discharged battery. Preferably lay a cloth over open vents. This reduces explosion hazard.

To avoid serious injury and damage to car, heed all warnings and instructions.

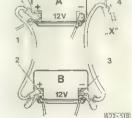
See also CAUTIONS on page 49.

How to use jumper cables

improper hook-up of booster cables can ruin the alternator Always connect POSITIVE (+) to POSITIVE (+) and NEGATIVE (-) to NEGATIVE (-).

- 1 Jsing red jumper cable, connect one end with clamp to positive (+) terminal (1) of discharged battery
- 2 Connect opposite end of cable to postive (+) terminal (2) of booster battery
- 3 Using black cable, connect one end with comparens to near ver (+) terminal (2 fluor bat v
- 4 Cur ection, ite id a cable (4) to unless complified by any small fill by any small fill by a with inches at the

- 5 Start your car in the usua manner
- 6 Remove jumper cables from both vehicles in exact reverse order. Steps 4 through 1.



A - DISCHARGED BATTERY B - BOOSTER BATTERY

 X - To chassis connection of ground strap

CAUTION - Cars with Catalytic

Do not push or tow such a car to start. Demage to the catalytic converter and/or other parts of the car may result.

Emergency towing with tow rope

Always observe local laws and municipal ordinances governing towing.

In an emergency your VW can be towed with a tow rope, but for short distances only.

Securely fasten the tow rope around the left or right bumper bracket at front or rear

- Place gearshift in Neutral
- Release parking brake
- Turn on ignition to unlock steering and to be able to operate turn signals, horn, stop lights and, if necessary, windshield wipers and washer

Caution

Do not leave the ignition on for long periods of time with the engine not running, as damage to the ignition system may result.

- The driver of the towing car must be very careful when driving off and shifting to avoid sudden and abrupt lerks
- The driver of the towed car must a ways keep the tow rope taut.

If you are towing another car, it s cu i not be heavier than your VW.

Emergency towing by commercial tow truck

When your car has to be towed by a commercial tow truck, do not let the vehicle be raised by the bumper brackets, as this may damage the energy absorbing elements in the brackets.

Never allow passengers to ride in a towed vehicle for any reason.

Trailer hauling

Your Volkswagen was primarily designed for passenger transportation, it is possible, nowever, to tow a trailer with your car. The maximum permissible trailer gross weights, trailer tongue loads and high altitude load limits are listed under "Permissible Trailer Weights",

When towing a trailer your safety and satisfaction depend upon ...

an appropriate trailer hitch (available through VW dealers), or other suitable towing equipment specifically designed for your car

... brakes installed on the trailer if your trailer wil exceed 882 lb or 400 k lograms loaded weight Keep in mind that "loaded weight" includes the trailer's weight plus everything you add to it. Never exceed the specified load capacity of the trailer nor the specified towing capacity of your car.

the necessary electrical hook-ups between car and trailer to operate turn signals stop lights, perking lights and emergency flashers

nstallation of extended outside mirrors on either side to give you a vier of vehicles behind the trailer and the options of your trailer.

...correct and even oad distribution All objects inside the trailer should be held securely in place to guard against shifting, be it forward, backward or sideways. Never carry a passenger in a moving trailler.

. your own ability and experience to use special driving skills when you begin your "trailering". Be constantly alart to the fact that you are operating two units "hitched" together. You are responsible for the safe movement of both.

... adequate maintenance of your "rig" Primarily designed for passenger transportation, your car is now performing a service it was not intended for. The additiona load will affect durability and aconomy of performance More frequent lubrication and maintenance services then normally required will be necessary to keep car and trailer in top notch conditions.

your own good judgement and knowedge of "trailering". Be informed about
aws A u reg in ion, the interstate
Commic Co. Issl at of the indvidual ates vol. Issl at of the indvidual ates vol. Issl at of the ingreeny
or Information and the highery

Troubleshooting

Your Volkswagen should repay you with troublefree driving if it receives regular maintenance and proper care. Should you ever encounter difficulties in starting your engine or have trouble on the road, there are a few repairs which you can make to get your car going again.

- Move disabled car well off the road. Turn on emergency flasher lights. If necessary mark vehicle with road flares or other warning devices.
- If you are not fully familiar with proper repair procedures, do not attempt the checks, adjustments or repairs described on these pages.

- Always support your car with suitable stands if it is necessary to work underneath the vehicle. The jack supplied with the car is not adequate for this purpose.
- Be extremely cautious when working on any part of the car to prevent accidental Injury. Remove neckties or necktaces; the long hair back behind your head. Disconnect the battery ground cable after turning off the engine before working on the electrical or fuel system to prevent sparking. Only connect battery if this is necessary for certain tests.

Note: The adjustment of Idling and Ignition timing requires special equipment and should only be carried out by a VW dealer

See also CAUTIONS on page 49.

Locate the condition and probable cause of your trouble in the list on the following pages and follow the directions on what to do if the trouble is serious or if you are uncertain as to its origin be sure to see a VW dealer or qualified mechanic as soon as possible

Condition

Probable Cause

What to do

- A Car will not start, engine will not turn over or turns over too slowly
- 1 Run down or dead battery.
- 2 Loose connections a - at bette
 - b at st -
- 31 12

- 1 Charge or replace battery Check cause of high current consumption
- Make sure that all connections are tight a - check connections at battery and ground strap, retighten as necessary
 - b check solenoid connections on starter
- C n a dealer

If you are not fully familiar with proper repair procedures do not attempt the checks or repairs described on this page. See also CAUTIONS on page 49.

Condition	Probable Cause	What to do		
B - Engine turns over but wis	1 No fuel in the tank	1 Fr up tank		
not start	2 Improper starting	2 Refer to "Starting hints"		
	3 Dampness in engine compartment	Dry ignition coll grit on wires and distributor components		
	Dampness in distributor A. Remove distributor cap a dry them carefully, especification of cap with first free clott.			
	5 Spark plugs wet sooty or dirty	 Install new plugs and check electrode gaps (0.028 in/0.7 mm) 		
	 Other failure in ignition or fuel injection system. 	6. Contact nearest VW dealer		
- Warm engine hard to start or car hard to start in winter	1 Improper starting.	1 Refer to "Starting hints"		
	2 Failure in fuel injection system	 Check all electrical and fuel connections in engine compartment for tightness if engine still does not start, contact nearest VW dealer 		
	1 -	_		
 Engine stutters, misfires and stails after starting 	1 Facure in ignition system	1 Refer to para B 3 and B 4.		
	2 Facure 1 e) ton te	 Check all electrical and fuel connections in engine compartment for lightness if cause gannot be corrected contact in rust VW design. 		

If you are not fully familiar with proper repair procedures, do not attempt the checks or repairs described on this page. See also CAUTIONS on page 49.

Condition	Probable Cause	What to do
E - Engine at proper operating tem- perature stals while driving car especially when accelerating.	1 Diety spark plugs	Clean plugs check for carbon deposits, replace plugs if necessary
	2. Failure in ignition system.	2. Refer to para. B 3 and B 4. Check points.
	3. Fatture in fuel injection system	3 Contact rearest VW dealer
F - Engine knocks (pinging)	Octane rating of gaspline not correct.	1 Fill up tank with fuel of proper octane rating See "Fuel supply"
	2 Incorrect grution timing.	2 Ignition timing should be set to specifications. See your VW Dealer
G Oil pressure warning light	Oil pressure too low	Stop immediately turn off engine and
comes on while driving Brake warning ght siso comes on due to design of electrica system in case of brake		check of lever if or ever a sar required see "Engine oil checking" check warning light and oil pressure switch connections if cause cannot be corrected contact.
farure only brake warning light will come on.)	1	nearest VW dealer

If you are not fully familiar with proper repair procedures, do not attempt the checks or repairs described on this page. See also CAUTIONS on page 49.

Condition	Probable Cause	What to do	
H - Aternator warning light comes on while driving	V-belt for alternator and blower fan may be silpping or broken	1 Stop at once, turn off engine and adjust or replace V-belt (see "Adjusting or replacing V-best") because the blower fan has stopped working and no longer provides for engine cooling.	
	2 Alternator does not charge	 Do not touch V-belt when engines is running f V-belt runs properly without slipping turn of all unnecessary electros equipement and drive to the nearest VW dearer as other wise the battery will soon run down 	
	3. Fuse 12 in the fuse box (see page 38) may be blown	3 Replace fuse, if it blows again, do not drive on, because the turn signals will not work. Ask for assistance	
J - Brake warning ght comes on when the brakes are applied	Falura in one circuit of the dua brake system	See "Brake warning ght" for what to do	
K - Strong fuel odor while perked or driving	Leak in fuel cap fuel intes or fuel evaporation control system	Turn off engine Check fuel cap. all lines and connections Seat leaks if possible Contact nearest VM dealer	
		Warning Never smoke or use an open flame that could ignite fuel vepors	
L - Strong odor of hot oil and increased engine noise	Cran car vent for vation	in it engine.	

o re inje if necessary

EMISSION CONTROL SYSTEM

In the Interest of Clean Air

Poul on of our environmes is of increasing concern to all of us. We ulige you to join us in our efforts for cleaner air in controlling the poliutants emitted from the automobile

Volkswagen has ong rectionized its responsibilities not only toward its customers but also toward the public in general We have developed an emission control system that controls or educes those parts of the emission that can be harmful to our any comment Your Volkswagen seguipped with such a system

Volkswagen warrants your new vehicle under the terms and conditions set forthin the Warranty and Maintenance booklet You as the owner of the vehicle have the responsibility to provide regular maintenance service for the vehicle as specified in the maintenance schedule and to keep a record of all maintenance work performed workswagen dealers have Withained mechanics and special tools to offer fast efficient service.

How Emission Control Works

When an automobile engine is running it uses energy generated through the combustion of a mixture of air and fuel Depending on whether a car is driven fast or slow or whether the engine is cold or hot, some of the fue (hydrocarbons) may not be burned completely but be discharged into the engine cranicase or exhaust system. Additional hydrocarbons may enter the atmosphere through evaporation of fuel from the fuel tank. These hydrocarbons released into the air contribute to undesirable pollution.

In addition carbon monoxide (CO and oxides of hitrogen (NOX) contribute to harmful engine emissions. They too are formed during combustion and discharged into the exhaust system.

To reduce these pollutants all Volkswagens are equipped with a special emission control system.

Your Volkswagen may have all or part of the following major components:

Controlled Combustion System

The amount of pollutants emitted from an engine greatly depends on the combustion of the air fue mixture. Complete burning of the air fuel mixture is therefore very important. An improved combustion process in your voikswagen makes it is not keep harmful emissions from the engine at the refer to live level.

kswagen is equipped with a precisely calibrated fuel in the first some a finely balanced air fue mixture to arise or a afine or of those

Crankcase Ventilation

Through crankcase ventiation harmful emissions from the engine crankcase are not permitted to reach the outside atmosphere. These emissions are recirculated to the air cleaner. From here, the emissions mix with the air fue mixture in the ntake system and are later burned in the engine, see Tustration).

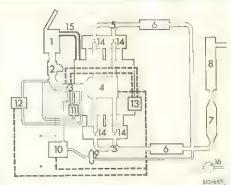
Exhaust Gas Recirculation (EGR)

Some of the exhaust gas from the engine is diverted before it enters the muffler. This gas is routed bear into the intake maniford. An exhaust gas recirculation valve controls the flow to the intake maniford. The exhaust gas recirculated into the combustion chambers of the engine helps lower the formation of oxides of nitrogen (NOx) during the combustion process (see Tustration).

Catalytic Converter (where applicable)

The catalytic converter is an efficient "clean up" device built into the exhaust system of your car to further help reduce angine politants. Hermit, carbon monoxide and hydrocarbons in the exhaust gas are chemically changed into harmiess carbon dioxide and water vapors before they pass to the outside through the muffler (see illustration).

The use of unleaded fuel, however is critically important for the life of the converter. Deposits from leaded gasolines and fuel additives containing suffur zinc nickel or barrom will run the catalyst and make it ineffective as an emiss of the device. Therefore only unleaded gasoline with it has it additives must be used.



Emission Control System

- 1 Air cleaner
- 2 Air metering device
- 3 Throttle valve unit
- 4 intake men to d
- 5 Exhaust man fo ds
 leat exchangers
 - talyst (Catalytic .nverter)*
 - . / .
 - iR i r
 - 3 ...

- 11 Auxiliary air valve
- 12 Decel Control valve
- 13 Distributor
- 14 Fue injection valves
- 15 Grankcase ventilation 16 - Indicator light for EGR*
- " where applicable
- Exhaust and air Ines
- Control lines (yacuum)

mechanical inkage

Fuel Evaporation Control

The sealed yourswager file evaporation system prevents gasoine vapors from escaping to the atmosphere through the following controls

Fuel tank venting

A separator for the fuel tank and vent lines are part of the fuel tank vent system. These components prevent fuel from escaping to the outside at extreme high outside temperatures and when the car is driven or parked at an incine or in any other non-level position.

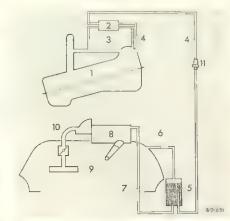
Carbon canister

vapors from the fue tank are trapped in a canister filled with carbon. This canister is also connected to the fuel tank vent system.

This is how it works

Fue vapors pass through the carbon can ster and depost hydrocarbons on the surface of the carbon When the engine is running, fresh air entering the carbon can-ster through an opening cleans the carbon and routes the hydrocarbons via the air cleaner back to the engine where they are burn principal combustion.

How fuel evaporation control works is shown in the contration



- 1 Fue tank with expansion chamber
- 2 Separator
- Clar vent line
- 4 u ank vent lines 5 ter n canister
- 5 Januaren oanister 6 Januaren vent ling (hinassure)

- 7 Can ster vent line (vacuum)
- 8 Air cleaner 9 - Intake manifold
- 9 Intake man to d
- 11 Gravity controlled
 - shut-off valve

An important word of CAUTION on the Emission Control System in your car

Your car is equipped with an Emission Control System. The major components of this system are Exhaust Gas Recirculation (EGR) and Catalytic Converter (Calfornia cars only).

The EGR system is designed to recirculate a portion of the exhaust gases into the combustion chambers of the engine and thus helps lower the formation of oxides of nitrogen (NO_V).

The catalytic converter, an efficient "cean-up" device built into the exhaust system of your car, changes carbon monoxide and hydrocarbone in the exhaust gas into carbon dioxide and water vapors before being released to the atmosphere To assure efficient operation of the Emission Control Control System:

- Have your car maintained properly in accordance with the service recommendations listed in the Maintenance Schedule Lack of proper maintenance, especially of the fue and ignition systems, as well as improper use of the vehicle could lead to damage.
- Do not after or remove any component of the Emission Control System unless approved by the manufacturer.
- Do not alter or remove any device, such as switches, valves, which are designed to protect your car and the environment.
- Do not continue to operate your car if you detect engine misfire or other unusual operating conditions.

Starting

Do not leave eighe Idling unattended after that high I was now "ights should come into him tell; rome operation, they would groun both. Extended drug class por easiest while out is 4 in over this right, if it are called a company of the company o

Parking

As with any vehicle, do not perk or operate your car in sreas where combustible materials, such as dry grass or leaves, car come into contact with a hot exhaust system.

Undercosting

Do not apply additional undercoating or rustproofing on or near the axhaust manifold, exhaust pipes, or catalytic converter. During driving, the substance used for undercoating could overheat and cause a fire

Cars with catalytic converter (California models)

Do not turn the ignition off while the car is moving. Immediate damage to the catalytic converter will result if you turn the ignition off while your car is moving, or if you try to push-start the car.. because under these conditions unburned fuel can reach the catalytic converter.

Do not drive if you detect engine misfire or other unusel operating conditions, as the could result in overheating of the material vitic converter.

TECHNICAL DATA

Engine

Four cylinder four stroke horizontally opposed in rear Air cooling by fan, thermostat-controlled Pressure or feed with gear type pump. Oir cooler Electric fuel pump. Electronically controlled fuel injection. Paper element ar cleaner with temperature sensitive intake air pre-heating. Exhaust lemission control system. Activated charcosi filter (carbon canister) in the fue system.

 Bora......
 3 96 n/85.5 mm

 Stroke.....
 2 72 n/69 mm

 Displacement....
 96 6 cu in/1584 cm³

 Compression ratio
 7 3 1

 Maximum output SAE net
 48 hp at 4200 rpm

 Maximum forque SAE net
 75 b ft at 2200 rpm

 Valve clearance with engine coid
 intake and exhaust 0.006 in 0.15 mm

Fuel rating*

VWs with catalytic converter: Unleaded fuel only. All other VWs: "Regular",

not ow-lead or unleaded fue's See also page 24

The minimum fuel oclare rating for your VW engine is listed on a sticker on the inside of the fuel tank flap

Transmission

Single plate, dry clutch

Bauk synchronized four-speed transmission and bevel gear differential in one housing

Drive shafts with two instan oo of per shaft.

Chassis

Platform frame with tunne shaped center member, engine transmission unit bolted to rear frame fork. Frame head for front suspension attachment.

Independent wheel suspension, traing arms and diagona links at rear

Suspension struts at front attached to frame head by track control arms and stabilizer

Springing: torsion bars at rear, telescopic shock absorbers both front and rear. Coi springs at front

Steering (energy absorbing) with maintenance free tie rods. Rack and pinion steering

Hydraulic dual-circuit foot brakes with drums at front and rear, mechanical parking brake effective on rear wheels

 Wheelbase
 95 3 in 2420 mm

 Turning arc e, curb to curb
 28.5 ft/9 m

 Track at front
 54.9 n/1394 mm

 Track at rear
 53.1 n/1349 mm

Wheels . . . 41/2 J x 15 safety rim whee s Tires tupeless Stee beited radial tires

Tire and rim size,

tire pressures See sticker on the inside of the fue tank flap

Electrical system

Voltage . 12 Volt Battery . . . 45 Ah Starter . 1.1 hp

Alternator. . . . 700 Watt (14 Volt/50 Amp.) V belt size

. 11.3 x 912 LA "XDA" ("DA" = low stretch factor) Ignition distributor with combined vacuum and centrifugal spark advance

Firing order. 1 - 4 - 3 - 2

Ignition timing for correct specifications for your engine see label in engine compartment

Contact breaker gap . 0.016 in/0.4 mm

Spark plugs . Bosch W 145 M 1 Beru 145/14 L Champion L 288

Plug thread . 14 mm

Electrode gap . 0.028 m/0.7 mm

Dimensions and weights

Length . 164.8 in/4187 mm Width 62.4 in/1585 mm 59 1 in/1500 mm Height Ground clearance . 5.9 in/ 150 mm

Vehicle capacity weight * see sticker on the inside of the fuel tank flap Gross vehicle weight . . see Safety Compliance Sticker on the left

Gross axle weight, front dooriamb (see also page 7). rear

Permissible trailer gross weights**:

Trailer without brakes 882 lb/400 kg

Trailer with brakes. . . . 1764 to 800 kg (on gradients up to 12%)

Trailer tongue load . . . 110 lb/ 50 kg

* cess If an VW Air Condition " Trailer weights tisted are in a lance w above sea level For higher a siyety a

mur ic gine and brake capacity. They apply to gradients specified up ip 3080 ft 1800m. raile 4 suid be reduced by 10% for each additional 3000 ft 1000m. The listed weights also der no a the we had been a cified? It's nafac Dr. 7 of the f

Capacities		U.S.	Metric	
	Fuel tank	. 11.0 gal	415 iters	VWs with catalytic converter Unleaded fuel only. All other VWs: "Regular", incl. tow-lead and unleaded fuels (see also page 24).
	Engine	2.6 qt	25 Iters	Engine of "For Service API/SE" (see page 73)
	Transmission at oil change	2 6 qt	25 iters	Hypoid on * { isee page 73)
	Windshield washer container Operating pressure	2.1 qt 42 psi	2.0 liters 3.0 kg/cm ²	Fluid (see page 55)

Performance

Maximum and cruising speed

80 mph/128 km/h

^{*} Does not have to be changed

Lubricants

Engine oil

Always use a name brand oil abeled "For Service API/SE" for the engine of your Volkswagen

Engine ons are graded according to their viscosity. The proper grade to be ,sed in your engine depends on existing climatic or seasonal conditions. The table on the right contains the grading for oils to be used in your VW engine.

As temperature ranges of the different oil grades overlap brief variations in outside temperatures are no cause for a arm. It is also permissible to mix oil of different viscosities if you find it necessary to add oil.

Transmission oil

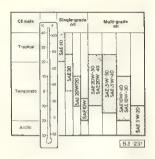
In general all year round, the transmission of your Volkswagen requires hypoid oil SAE 80 W or SAE 80 W/90 (multigrade) according to Mt. – L 2105 API/GL 4 specifications. This hypoid oil does not have to be changed.

Lubricant additives

If your Volkswagen is properly maintained, it is uneconomical to mix any type of additive with fuel or lubricating oils

Grease

- 1 Multi-purpose grease with a lithium base should be used for the door hinges
- 2 Dry stick lubricant should be used for the hood on a not as surface of the striker plates
- 3 Silicone spray or petroleum jelly should be used the bit te hals and posts



When using single grade SAE 10 W or multi grade SAE 5 W-20 engine oil avoid high speed long distance driving if the outside temperature rises above the indicated limit.

GAS STATION INFORMATION

Fuel recommendation

"Regular", incl. low-lead or unleaded fuels, 91 RON (87 C.L.C. rating).

California cara: UNLEADED FUEL ONLY

Fuel cap

Above right front fender. To close, turn cap until it clicks.

Front seats

Seat adjustment: Pull lever - A -In front of seat Backrest release: Lift lever - B on outboard side of backrest.

A = Seat adjustment B = Backrest release

Starting

Start in Neutral only.

It is not necessary to depress the accelerator pedal when starting. Electronic fuel injection automatically provides correct fuel/air mixture for starting.

Refer to page 58 for "Emergency starting

with jumper cables".

Engine oil dipstick

Check oil level 5 min. after engine has stopped. Level should be between "min" and "max" marks on dipstick. Difference between marks is approx. 1.3 U.S. qt or 1,25 liter).

C = Oil dipstick

D = Dipstick with min. and max, marks Chasais number (Serial No., VIN)
Visible through driver's side of wind-

shield.

Engine oil grades

Use quality oil labeled "For Service API/SE". See oil viscosity chart on page 73.

Transmission oil

Transmission and final drive have a lifetime filling of hypoid oil Mil-L-2105 API/GL 4 SAE 80 W or SAE 80 W/90 (multi grade) all year,

E = Engine











Fuse box

Under dashboard

Additional fuses for:

Back-up lights - in engine compartment above ignition coil.

Rear window defogger (main current) under rear seat on left. See page 37.

Hood release, front

Pull release inside glove compartment, To tock hood, lower hood, press handle down firmly until hood locks.



Brake fluid

Under front hood Brake fluid level should be above seam edge near top (F).

Only new, unused DOT 3 - or DOT 4 - brake fluid that meets the SAE recommendation J 1703 and conforms to Motor Vehicle Safety Standard 116 must be used.

Do not add or mix DOT 5 silicone type brake fluid with the brake fluid in your car as severe component corrosion may result. Such corrosion could lead to brake system failure.

Tire pressure

See sticker on inside of fuel tank flap.

Spare wheel

Under front hood.

Spare tire supplies pressure to operate washer. Maintain at 42 psl (3 kg/cm²). Disconnect hose from valve (G). Pressurize spare tire by this valve.

Spare tire removal

Disconnect windshield washer hose from tire valve.

Windshield washer container

Unscrew cap (H), add water and cleaning solution. Follow mixture instructions on can.



Battery

Under rear seat.

Take out rear seat first - see page 38. Check each cell. Top up with distilled water.



J - Battery

K = Jack

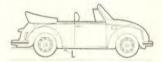
Jack

Under rear seat next to battery.

Take out rear seat first - see page 38.

Jack port (L)

Raises entire side for front or rear wheel changing.



812-652

At a glance ...

ENGINE

Horsepower SAE net No. of cylinders 48 at 4200 rpm

Displacement Type

1584 cm³/96.6 cu in cylinder horizontally opposed, rear mount

Cooling Fuel/sir supply air-cooled electronically controlled

Fuel tank capacity

VEHICLE LENGTH

11.0 U.S. gal/41.5 liters 2.6 U.S. qt/2.5 liters

Engine oil capacity

164.8 in/4187 mm 62.4 in/1585 mm

fuel injection

WIDTH 62.4 in/1585 mm HEIGHT (unladen) 59.1 in/1500 mm BRAKES SUSPENSION

dual circults, drums at front and rear independent front and rear, suspension struts at front, torsion bars at rear

STEERING

rack-and-pinion

DRIVE TRAIN

Type Gears rear wheel drive 4 forward, 1 reverse

ELECTRICAL SYSTEM (12 Volt)

Battery Alternator 45 Ah 50 Amp. max.

Milip, max

Convertible/North America

CLASSICARCHIVE

Owner's Manuals, Service Manuals Vintage Ads and more...



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